

Show Mode dongle — LED error guide

LED colours: ● Red ● Blue ● Green ○ Off

How to use (after-sales and support)

Two lamps: **LED A** and **LED B**. Same colours can mean different faults — also check together vs one after the other, slow on/off vs three quick then a pause.
When: batteries are checked at start-up *and* while running. Unlock, wiper stalk and vehicle support are start-up only. 48 V charge-routine fail is while running only. Driving is not allowed (start-up and running); Active / Convenience / Inactive are OK.
ECU names in parentheses: check further in VIDA. After a shutdown: unplug, fix, wait, plug in again.

SHOW MODE LED ERRORS — MATCH THE LEDS

400 V battery too low or unread (BECM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ●

Both LEDs blink red together (slow on/off). Repeats.

Meaning: High-voltage battery (BECM) is too low, or Show Mode cannot read it.

What to do: Plug the vehicle in and charge 400 V. Unplug the dongle, wait, plug in again. If unread: check BECM in VIDA.

48 V battery too low or unread (MVBM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ●

LED A red + LED B blue, together, slow on/off. Repeats.

Meaning: 48 V battery (MVBM) is too low, or Show Mode cannot read it. At start-up Show Mode will not start and will not run the 48 V charge routine.

What to do: 1. Start the engine (preferred) so the starter-generator (ISGM) charges 48 V (MVBM). Avoid if 48 V is very low or there is a known generator/engine fault.
2. Or in VIDA start the 48 V charge routine (same as Show Mode uses while running). Needs 12 V charge at least 50 % and a workshop 12 V charger (80 A if possible).
Then unplug the dongle, wait, plug in again. If unread: check MVBM in VIDA.

48 V charge routine failed (MVBM)

When: While running only
What the LEDs do

LED A ● **LED B** ●

Same colours as 48 V low, but three quick blinks together, then a pause. Repeats.

Meaning: Show Mode started the 48 V charge routine (MVBM) and it aborted, was rejected, or did not answer twice. Show Mode shuts down.

What to do: Unplug the dongle, wait, plug in again. Or start the engine (ISGM). Or start the same charge routine in VIDA. If it repeats: check MVBM in VIDA.

12 V battery low — waiting (CEM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ●

Both LEDs blink blue together (slow on/off). Repeats.

Meaning: 12 V (CEM) voltage or charge is below start level (12.75 V / 30 %). Show Mode is waiting, not shutting down.

What to do: Connect a workshop 12 V charger. Leave the dongle plugged in until voltage and charge are high enough.

12 V battery failed (CEM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ● then **LED A** ● **LED B** ●

Both LEDs blue together (slow), then both red together (slow). Repeats.

Meaning: 12 V battery (CEM) is too low, or Show Mode cannot read it. Show Mode shuts down.

What to do: Charge 12 V with a workshop charger. Unplug the dongle, wait, plug in again. If unread: check CEM in VIDA.

Telematics backup battery (TCAM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ●

LED A blue + LED B red, together, slow on/off. Repeats.

Meaning: TCAM backup battery is low, faulty, or unread. (Pack not fitted is allowed and is not this LED.)

What to do: Unplug the dongle, wait, plug in again. If it repeats: check the backup battery or TCAM in VIDA.

Wiper stalk not in position 0

When: Start-up only
What the LEDs do

LED A ● **LED B** ○ then **LED A** ○ **LED B** ●

Blue moves A (B off) then B (A off). Repeats.

Meaning: Wiper stalk is not off / 0.

What to do: Set wiper stalk to 0. Unplug the dongle, plug in again.

Usage mode is Driving (CEM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ● → **LED A** ● **LED B** ●

LED A ● **LED B** ● → **LED A** ○ **LED B** ○

Both LEDs together: blue, red, blue, off. Repeats.

Meaning: Usage mode (CEM) is Driving. Active, Convenience and Inactive are allowed.

What to do: Set usage mode to Active, Convenience or Inactive. Unplug the dongle, plug in again.

Vehicle not stationary (ECM)

When: Start-up and while running
What the LEDs do

LED A ● **LED B** ● → **LED A** ● **LED B** ●

LED A ● **LED B** ● → **LED A** ○ **LED B** ○

Both LEDs together: red, blue, red, off. Repeats.

Meaning: Engine control (ECM) reports speed above zero.

What to do: Park and keep the vehicle still. Unplug the dongle, plug in again.

Vehicle not supported

When: Start-up only
What the LEDs do

LED A ● **LED B** ○ then **LED A** ○ **LED B** ●

Red moves A (B off) then B (A off). Repeats.

Meaning: Model, model year or software week is not supported by this firmware.

What to do: Get a firmware update (brigo.com/showmode). Unplug the dongle.

Dongle could not build an unlock key

When: Start-up only
What the LEDs do

LED A ● **LED B** ● then **LED A** ● **LED B** ●

A and B swap colours (blue/red, then red/blue). Repeats.

Meaning: The dongle failed to build the security key (not an ECU reject). Can be VGM, CEM, DIM, BECM or HCML/HCMLR.

What to do: Unplug the dongle, wait, plug in again. If it repeats: contact Show Mode support (dongle/keys), or check the ECU being unlocked in VIDA.

Gateway rejected unlock (VGM)

When: Start-up only
What the LEDs do

LED A ● **LED B** ●

Both LEDs red together, three quick blinks, then a pause. Repeats.

Meaning: Vehicle gateway (VGM) rejected all unlock attempts.

What to do: Unplug the dongle, wait, plug in again. If it repeats: check VGM in VIDA.

Central electronics rejected unlock (CEM)

When: Start-up only
What the LEDs do

LED A ● **LED B** ○ then **LED A** ○ **LED B** ●

Not VGM: A red three quick (B off), then B red three quick (A off), then a pause. Repeats.

Meaning: Central electronics (CEM) rejected all unlock attempts.

What to do: Unplug the dongle, wait, plug in again. If it repeats: check CEM in VIDA.